

Converting Colors

XYZ(28.6885, 45.3939, 16.9749)

Have a look what the booklet for
XYZ(28.6885, 45.3939, 16.9749)
contains.

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Color

**XYZ(28.5631, 45.1725,
16.8866)**

Conversions

Conversions Part 1

Format	Color
Hex	6BC85A
RGB	107, 200, 90
RGB Percent	42%, 78%, 35%
CMY	0.5804, 0.2157, 0.6470
CMYK	0.47, 0.00, 0.55, 0.22
HSL	111°, 50%, 57%
HSV	111°, 55%, 78%
XYZ	28.5631, 45.1725, 16.8866
YIQ	159.6530, -20.1180, -53.9260

Conversions

Conversions Part 2

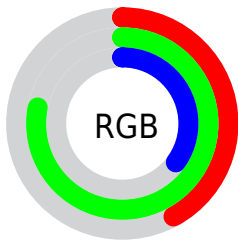
Format	Color
RYB	90, 200, 183
Decimal	7063642
CIELab	73.01, -48.74, 46.00
CIELCh	73, 67.018, 136.652
Yxy	45.1725, 0.3152, 0.4985
Android (android.graphics.Color)	4285253722 (0xFF6BC85A)
YUV	159.6530, -34.3389, -46.1767
Hunter-Lab	67.2105, -41.7595, 32.1508

Details

The XYZ color **28.5631, 45.1725, 16.8866** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted chartreuse. A complement of this color would be **33.6123, 21.5513, 57.0342**, and the grayscale version is **33.4144, 35.1546, 38.2833**.

A 20% lighter version of the original color is **56.0278, 81.3957, 38.7446**, and **11.6942, 21.0191, 5.2745** is the 20% darker color. If you saturate the color by 10%, you get **25.9860, 43.9308, 12.9047**, and if you desaturate by 10%, it is **31.7690, 46.7146, 22.0953**.

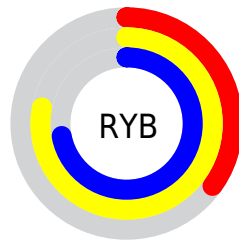
Distribution



Red (42%)

Green (78%)

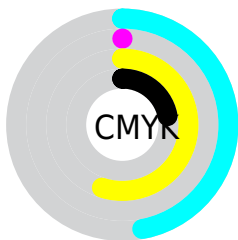
Blue (35%)



Red (35%)

Yellow (78%)

Blue (72%)

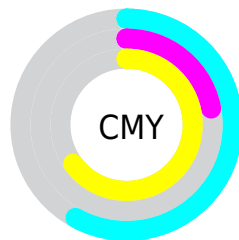


Cyan (47%)

Magenta (0%)

Yellow (55%)

Black (22%)



Cyan (58%)

Magenta (22%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5631, 45.1725, 16.8866 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 28.5631, 45.1725, 16.8866 by changing the saturation by 10% instead.


 28.5631, 45.1725,
16.8866


 28.5631, 45.1725,
16.8866


287.1795,
367.4717, 246.5398


 18.8932, 31.5933,
9.9926


 56.7846, 82.9792,
38.9187


 11.6967, 21.0511,
5.2885


 76.0669, 107.9755,
54.8938

 6.6082, 13.1613,
2.3558


 99.2840, 137.5463,
74.7330

 3.2624, 7.5397,
0.7622

 126.8013,
172.0760, 98.8549

 1.2940, 3.8019,
0.0000

158.9841,
211.9490, 127.6780

 0.1787, 1.5634,
0.0000

196.1979,

 0.0000, 0.3327,

257.5497, 161.6208

0.0000

238.8079,
309.2625, 201.1019

■ 0.0000, 0.0000,
0.0000

■ 28.5631, 45.1725,
16.8866

■ 28.5631, 45.1725,
16.8866

■ 25.9860, 43.9308,
12.9047

■ 31.7690, 46.7146,
22.0953

■ 23.9923, 42.9642,
10.0463

■ 35.6386, 48.5691,
28.6169

■ 22.5356, 42.2527,
8.1963

■ 40.2081, 50.7543,
36.5333

■ 21.5604, 41.7707,
7.2134

■ 45.5098, 53.2852,
45.9190

■ 21.2174, 41.6002,
6.9114

■ 51.5745, 56.1761,
56.8429

■ 58.4307, 59.4405,
69.3699

■ 66.1058, 63.0910,
83.5609

■ 74.6256, 67.1397,
99.4737

■ 79.9452, 69.7904,
103.8651

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.8047, 45.1725, 9.6759



28.5631, 45.1725, 16.8866



24.5524, 45.1725, 35.7577

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.5631, 45.1725, 16.8866



37.9472, 45.1725, 142.3015



68.3015, 45.1725, 32.9337

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



28.5631, 45.1725, 16.8866



33.6123, 21.5513, 57.0342

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.7601, 45.1725, 65.6125



28.5631, 45.1725, 16.8866



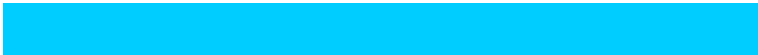
49.7111, 45.1725, 140.3578

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.5631, 45.1725, 16.8866



29.2679, 45.1725, 112.5042



61.4643, 45.1725, 108.0044



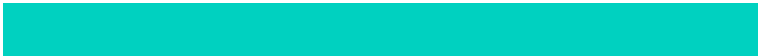
60.3064, 45.1725, 15.6308

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.5631, 45.1725, 16.8866



24.2394, 45.1725, 57.0340



61.4643, 45.1725, 108.0044



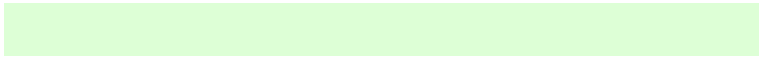
69.3867, 45.1725, 42.0916

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



28.5642, 45.1744, 16.8876



77.5912, 91.6797, 77.3588



42.3266, 46.3392, 16.3871



16.1817, 19.4200, 15.8000



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.5642, 45.1744, 16.8876



44.2402, 75.6944, 21.2315



28.6812, 45.0079, 27.1419



10.6475, 11.9652, 11.3111



13.5390, 26.4749, 4.3966



0.6909, 1.2793, 0.2105

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33.6123, 21.5513, 57.0342



53.7454, 30.6451, 97.6901



34.1180, 22.2492, 37.3052



10.9159, 10.7304, 13.4133



17.1072, 8.0533, 35.3972



0.8547, 0.4043, 1.6781

Previews

White Background



This preview shows how the XYZ color 28.5631, 45.1725, 16.8866 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.5631, 45.1725, 16.8866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

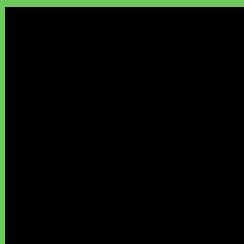
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5631, 45.1725, 16.8866

Background



This preview shows how black text looks on a background with the XYZ color 28.5631, 45.1725, 16.8866.

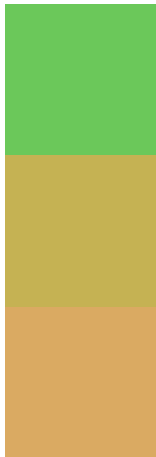


This preview shows how white text looks on a background with the XYZ color 28.5631, 45.1725,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

28.5631, 45.1725, 16.8866

Protanopia

40.5077, 44.3356, 14.6063

Deuteranopia

45.4928, 44.5367, 17.7540



Tritanopia

37.8160, 44.9454, 63.1821

Trichromacy



Original Color

28.5631, 45.1725, 16.8866

Protanomaly

34.5485, 43.6822, 15.4147

Deuteranomaly

36.9495, 43.3389, 17.2443

Tritanomaly

33.2564, 44.3729, 40.9944

Monochromacy



Original Color

28.5631, 45.1725, 16.8866

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

30.6877, 38.0719, 28.6529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5631, 45.1725, 16.8866 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(107, 200, 90)` looks like.

```
.text, #text, p{  
    color:rgb(107, 200, 90)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(107, 200, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 200, 90) }
```

Border

The CSS property to change the border of an element to XYZ 28.5631, 45.1725, 16.8866 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 200, 90) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(107, 200, 90) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(107, 200, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 200, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 200, 90);  
box-shadow:4px 4px 4px 4px rgb(107, 200,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5631, 45.1725, 16.8866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 200, 90) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(107,  
200, 90) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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